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**C Language Assignment 13**

1).

#include<stdio.h>

#include<conio.h>

int main()

{

int choice;

printf("Enter month number:");

scanf("%d",&choice);

switch(choice)

{

case 1:

printf("31");

break;

case 2:

printf("28 or 29");

break;

case 3:

printf("31");

break;

case 4:

printf("30");

break;

case 5:

printf("31");

break;

case 6:

printf("30");

break;

case 7:

printf("31");

break;

case 8:

printf("31");

break;

case 9:

printf("30");

break;

case 10:

printf("31");

break;

case 11:

printf("30");

break;

case 12:

printf("31");

break;

default:

printf("Invalid choice");

}

getch();

}

2).

#include<stdio.h>

#include<conio.h>

int main()

{

int choice,a,b;

printf("\n1. Addition:");

printf("\n2. Subtraction:");

printf("\n3. Multiplication:");

printf("\n4. Division:");

printf("\n5. Exit:");

printf("\n\nEnter your choice:");

scanf("%d",&choice);

switch(choice)

{

case 1:

printf("Enter two numbers:");

scanf("%d %d",&a,&b);

printf("Sum: %d",a+b);

break;

case 2:

printf("Enter two numbers:");

scanf("%d %d",&a,&b);

printf("Difference: %d",a-b);

break;

case 3:

printf("Enter two numbers:");

scanf("%d %d",&a,&b);

printf("Product: %d",a\*b);

break;

case 4:

printf("Enter two numbers:");

scanf("%d %d",&a,&b);

printf("Quotient: %d",a/b);

break;

case 5:

printf("Exit");

break;

default:

printf("Invalid Choice");

}

getch();

}

3).

#include<stdio.h>

#include<conio.h>

int main()

{

int choice;

printf("Enter day number of a week: ");

scanf("%d",&choice);

switch(choice)

{

case 1:

printf("Today is monday.");

break;

case 2:

printf("Today is tuesday.");

break;

case 3:

printf("Today is wednesday.");

break;

case 4:

printf("Today is thursday.");

break;

case 5:

printf("Today is friday.");

break;

case 6:

printf("Today is saturday.");

break;

case 7:

printf("Today is sunday.");

break;

default:

printf("Invalid");

}

getch();

}

4).

#include<stdio.h>

#include<conio.h>

int main()

{

int choice,a,b,c;

printf("\n1. Check whether a given set of three numbers are lengths of an isosceles triangle or not");

printf("\n2. Check whether a given set of three numbers are lengths of sides of a right angled triangle or not");

printf("\n3. Check whether a given set of three numbers are equivalent or not");

printf("\n4. Exit");

printf("\n\nEnter your choice:");

scanf("%d",&choice);

switch(choice)

{

case 1:

printf("Enter three numbers:");

scanf("%d %d %d",&a,&b,&c);

if(a==b || b==c ||c==a)

printf("Isosceles triangle");

else

printf(" Not Isosceles triangle");

break;

case 2:

printf("Enter three numbers:");

scanf("%d %d %d",&a,&b,&c);

if((a\*a + b\*b == c\*c) || (a\*a + c\*c == b\*b) || (b\*b + c\*c == b\*b))

printf("Right angled triangle");

else

printf("Not Right angled triangle");

break;

case 3:

printf("Enter three numbers:");

scanf("%d %d %d",&a,&b,&c);

if(a==b && b

==c)

printf("Equivalent triangle");

else

printf("Not Equivalent triangle");

break;

case 4:

printf("Exit");

break;

default:

printf("Invalid choice");

}

getch();

}